

TABLE 2.—Data furnished by the Canadian Meteorological Service, April 1936

Station	Altitude above mean sea level, Jan. 1, 1919	Pressure			Temperature of the air						Precipitation		
		Station reduced to mean of 24 hours	Sea level reduced to mean of 24 hours	Depart- ure from normal	Mean Max. + mean min. ÷ 2	Depart- ure from normal	Mean maxi- mum	Mean mini- mum	Highest	Lowest	Total	Depart- ure from normal	Total snowfall
	<i>Ft.</i>	<i>In.</i>	<i>In.</i>	<i>In.</i>	<i>° F.</i>	<i>° F.</i>	<i>° F.</i>	<i>° F.</i>	<i>° F.</i>	<i>° F.</i>	<i>In.</i>	<i>In.</i>	<i>In.</i>
Cape Race, Newfoundland	99												
Sydney, Cape Breton Island	48	29.83	29.88	-0.01	39.9	+4.9	48.5	31.3	65	22	6.19	+2.34	5.8
Halifax, Nova Scotia	88	29.66	29.77	-0.19	39.8	+2.0	46.0	33.5	59	26	4.79	+0.61	1.5
Yarmouth, Nova Scotia	65	29.84	29.91	-0.05	40.0	+1.1	44.9	35.2	52	29	3.51	-0.31	4.3
Charlottetown, Prince Edward Island	38	29.81	29.85	-0.05	38.2	+3.0	44.9	31.5	63	20	3.07	+0.42	19.5
Chatham, New Brunswick	28	29.78	29.81	-0.09	38.0	+2.5	45.9	30.2	74	21	2.18	-0.45	15.2
Father Point, Quebec	20	29.84	29.86	-0.07	35.5	+2.3	40.8	30.3	61	22	2.44	+0.86	9.8
Quebec, Quebec	296	29.57	29.90	-0.09	37.7	+2.6	43.8	31.7	70	22	5.30	+3.21	24.3
Doucet, Quebec	1,236				25.9		37.6	14.2	55	-20	3.57		24.8
Montreal, Quebec	187												
Ottawa, Ontario	236	29.68	29.95	-0.07	38.8	-1.2	46.1	31.6	64	17	4.06	+2.56	4.5
Kingston, Ontario	235	29.64	29.96	-0.06	39.4	-0.6	45.9	32.9	61	20	3.17	+1.38	1.6
Toronto, Ontario	379	29.58	30.00	-0.02	39.6	-1.2	45.8	33.4	64	24	3.00	+0.63	1.8
Cochrane, Ontario	930				27.7		36.2	19.3	55	2	1.60		10.4
White River, Ontario	1,244	28.65	30.00	-0.04	26.0	-7.0	38.1	13.8	58	-17	1.95	+0.70	9.9
London, Ontario	808				38.0		45.5	30.6	65	17	3.26		6.8
Southampton, Ontario	656	29.27	30.00	-0.03	34.8	-3.9	41.4	28.2	66	14	3.26	+1.46	9.0
Parry Sound, Ontario	688	29.26	29.98	-0.06	35.2	-2.4	40.5	27.9	60	6	1.85	-0.06	8.2
Port Arthur, Ontario	644	29.38	30.12	+0.09	29.1	-4.4	39.5	18.7	54	-10	1.95	+0.23	9
Winnipeg, Manitoba	760	29.24	30.11	+0.09	29.8	-6.1	40.1	19.6	65	-16	.44	-0.61	3.5
Minnedosa, Manitoba	1,690	28.23	30.10	+0.09	29.4	-6.6	40.7	18.2	69	-15	.47	-0.59	3.1
Le Pas, Manitoba	860				28.6		39.4	13.8	64	-21	1.23		9.4
Qu'Appelle, Saskatchewan	2,115	27.74	30.04	+0.05	30.6	-6.8	41.8	19.4	72	-13	.50	-0.55	4.8
Moose Jaw, Saskatchewan	1,759				35.2		46.4	23.9	76	-9	.48		3.2
Swift Current, Saskatchewan	2,392	27.45	30.02	+0.06	37.6	-3.7	49.1	26.2	82	26	.50	-0.43	4.0
Medicine Hat, Alberta	2,365	27.51	30.02	+0.10	40.4	-4.1	51.2	29.6	86	0	.67	-0.07	3.9
Calgary, Alberta	3,540	26.32	30.05	+0.15	36.9	-2.7	48.2	25.7	81	-4	.64	.00	6.4
Banff, Alberta	4,521												
Prince Albert, Saskatchewan	1,450	28.47	30.09	+0.11	32.2	-3.9	43.0	21.4	66	-12	.62	-0.21	1.6
Battleford, Saskatchewan	1,592	28.30	30.08	+0.11	33.6	-3.6	45.5	21.6	74	-13	.23	-0.24	1.1
Edmonton, Alberta	2,150	27.70	30.02	+0.13	35.4	-4.5	46.4	24.4	76	-13	.97	+0.09	8.2
Kamloops, British Columbia	1,262	28.70	30.00	+0.07	52.0	+3.1	65.4	38.7	86	15	.66	+0.27	.0
Victoria, British Columbia	230	29.83	30.09	+0.08	49.9	+3.1	56.3	43.6	67	32	.90	-1.47	.2
Barkerville, British Columbia	4,180												
Estevan Point, British Columbia	20				46.6		51.8	41.3	58	26	8.92		.0
Prince Rupert, British Columbia	170				42.0		49.1	35.0	68	22	6.23		.0
Hamilton, Bermuda	151												

LATE REPORTS FOR MARCH 1936

Port Arthur, Ontario	644	29.14	29.87	-0.18	21.0	+4.2	29.9	12.0	45	-12	0.55	-0.42	5.3
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SEVERE LOCAL STORMS, APRIL 1936

[Compiled by Mary O. Souder from reports submitted by Weather Bureau officials]

[The table herewith contains such data as have been received concerning severe local storms that occurred during the month. A revised list of tornadoes will appear in the Annual Report of the Chief of Bureau]

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Tignall, near, Georgia	1	8:30 p. m.		3		Tornado	5 persons injured; 11 houses, 5 barns, and a store demolished; numerous animals killed.
Lincolnton, Ga., and vicinity	1	9 p. m.		0		do	2 persons injured; 50 houses wrecked; the courthouse, church, and a hotel damaged.
Gordo, Ala., vicinity of	1	11 p. m.	300	1		Tornadoic winds.	5 persons injured; several buildings destroyed; path 1 mile long.
Wills Valley, Ala.	1	p. m.				Heavy rain and hail.	Wills Creek overflowed its banks, some flooding resulting; 200 feet of road washed out.
Hopkins County, Ky	1				\$15,000	Wind and hail	Barns and small buildings unroofed or blown down; hail at Madisonville damaged windows and greenhouses.
Concord, N. C.	2	5:57 a. m.	12		15,000	Wind	2 persons injured; storm moved from northwest to southeast causing scattered damage; noise like a nearby passing freight train; trees fell toward southeast; path 5 miles long.
Sasser, Ga.	2	6 a. m.	200-500	1	3,000	Tornado	Several persons injured; number of buildings wrecked.
Leesburg, Ga.	2	7 a. m.		1	4,300	do	8 persons injured; property damaged.
Greensboro, N. C.	2	7:12-7:20 p. m.	13-267	14	2,000,000	do	144 persons injured, 88 seriously; 56 buildings totally wrecked and 233 damaged; path 7 miles long.
Cordele, Ga.	2	7:30 a. m.		23	3,000,000	do	500 persons injured; 287 buildings demolished, 165 damaged. This may be same tornado that previously passed through Sasser and Leesburg, Ga.
Lodge, near S. C.	2	8:30 a. m.	80	1	1,000	do	Farmer killed by a falling tree in his yard; path 1 mile long.
Mebane to Arcola, N. C., vicinity of	2	8-9:15 p. m.		1	10,000	do	Continuation of the Greensboro tornado; appears to have passed 1/4 mile north of Mebane at 8 p. m., and was traced in an easterly direction for 6 miles; 4 persons injured; slight damage 3 miles north of Hillsboro; heavy cloud with a loud roar passed north of Arcola, a point 40 miles from Greensboro, at 9:15 p. m.
Cherry Lake, Fla.	2				5,000	Thundersquall	Trees and chicken houses blown down; houses unroofed; some chickens killed by lightning.
Aiken, S. C., and vicinity	2				2,000	Wind	Property damaged.
Hampton, Colleton, Barnwell, and Allendale Counties, S. C.	2				5,000	do	Trees blown down; houses unroofed

1 Miles instead of yards.

SEVERE LOCAL STORMS, APRIL 1936—Continued

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Valentine, Nebr.	3-4	p. m.				Dust.	A heavy deposit of yellow dust settled over the entire landscape turning the snow to mud color and approaching $\frac{1}{16}$ inch in depth on sidewalks.
Izard County, Ark.	5	2 p. m.	400	1	40,000	Tornado.	4 persons injured and property damaged; path narrow and 440 yards long from southwest to northeast.
Nashville, Tenn.	5	7:30-9:30 p. m.			1,000	Thundersquall.	Storm started with severe thunder at 7:30 p. m.; lightning interrupted power and light service; wind of 44 miles from the northwest; period of damaging winds less than 10 minutes.
Booneville, Miss.	5	8:05 p. m.	400-500	4	20,000	Tornado.	12 persons injured; property loss; path 25 miles long, not continuous.
Coffeeville-Tupelo, Miss., Red Bay, Ala.	5	8:10 p. m.	440	4	10,000	do.	At Coffeeville, 7 persons injured; property damaged; path 18 to 20 miles long.
Tupelo, Miss.	5	8:55 p. m.	400	216	3,000,000-4,000,000	do.	700 persons injured; much property damaged; storm southwest to northeast; path 50 miles long.
Red Bay to Elkwood, Ala.	5			6		do.	In Elkwood 6 persons killed and 15 injured; storm traveled 110 miles in a general northeasterly direction; amount of damage not estimated.
Henderson and Jefferson Counties, Ky.	5				25,000	Hail, heavy rain, and wind.	Fruit crop and tobacco plant beds, windows, and automobile tops damaged; buildings unroofed and trees blown down; \$25,000 loss estimated from hail alone.
Gainesville and New Holland, Ga.	6	8:27-8:37 a. m.		203	13,090,000	Tornadoes.	934 persons injured, not including over 700 who required first-aid treatment; 750 houses demolished and 254 badly damaged; 1,662 families registered for Red Cross aid. The first tornado struck on the campus of Brenau College at 8:27 a. m.; only minor damage occurred to the college buildings, but the trees on the campus were torn to pieces and the trunks thrown down in all directions; the course of destruction was narrow and extended nearly eastward through New Holland, then northeastward into the country. The other tornadoes came along 10 minutes later; 2 distinct funnel clouds appearing at once. These destroyed all but a few buildings in the business section. One course of destruction led into the city from the southwest, just to the west of the Atlanta highway; the other came in from nearly west along the Dawsonville highway. These 2 paths came together west of Grove Street, and an area 4 blocks in width was laid waste across the entire city beyond which separate courses of destruction again appeared. Where the tornadoes finally disappeared is uncertain, but Lavonia, Ga., nearly 40 miles from Gainesville, experienced a tornado about an hour later, and Anderson, S. C., had one the same day. The wreckage was astounding. In many places the debris was piled up 8 or 10 feet deep in the streets. 3-story buildings were flattened into 1.
Acworth, near, Ga.	6	8:30 a. m.		0		do.	2 persons injured; 4 houses and a mill demolished; other buildings damaged.
Anderson, S. C., and vicinity.	6	10:05 a. m.	400-500	1	250,000	do.	Man killed in his home by falling bricks; 30 persons injured, some seriously; more than 50 homes wrecked; trees uprooted; power and communication lines disrupted.
Atlantic City, Absecon, and Corbin City, N. J.	6	10:20-10:25 a. m.				Wind.	In Atlantic City extreme wind velocity of 65 miles per hour was registered; a 2,000-pound brick-tile wall collapsed under pressure of high wind, injuring a man and damaging an automobile; in Absecon a 2-story barn blown down; at Corbin City windows were broken in 2 houses.
Hardin, Wayne, Lewis, and Maury Counties, Tenn.	6	7:45 p. m.	100-1,320	10	202,000	Tornado.	55 persons injured; more than 30 houses demolished and many damaged leaving 250 persons homeless.
McNairy County, Tenn.	6	8:30 p. m.			2,500	Thunderstorm.	Property damaged.
Lawrence, Giles, Marshall, Lincoln, and Franklin Counties, Tenn.	6	9:15-11:30 p. m.		1	24,000	Electrical and wind.	4 persons injured; 2 families marooned; property damaged.
Warren County, Tenn.	6	11 p. m.	200		20,000	Wind.	3 persons injured and 15 made homeless; property damaged.
Blackville, S. C., and vicinity.	6				2,000	Severe winds.	Trees uprooted and roofs damaged.
Pennington, N. Mex.	9					Wind.	Many fences destroyed due to Russian thistle and other debris being blown against them.
Hardin County, Iowa.	13				2,500	do.	Property damaged.
Orange and Marshalltown, near, Iowa.	13				2,000	do.	Do.
Lincoln, Nebr.	13					do.	Small building overturned; plate glass windows and globes on street lights broken.
Ada, Minn., and vicinity.	13-16					Flood.	High temperatures melted accumulated snows causing several rivers and creeks to overflow their banks in northern Minnesota; greatest damage at Ada where a hospital, 40 residences, and 6 buildings were flooded; dam east of Ada washed out; many acres of farm lands and several highways inundated; 2 bridges and part of railroad siding washed out.
Bedford County, Va.	15	4-5 p. m.			1,000	Thunderstorm.	Damage to orchards and small buildings over a path several miles long.
Midland, Tex.	15	7:30 p. m.	1,320		25,000	Tornado.	Property damaged.
Norfolk, Va.	15	9:25-10 p. m.			1,200	Thunderstorm.	Damage by lightning to soft drink plant.
Tuscola, Tex.	15	10:30 p. m.	14	0	800	Tornado.	Property damaged.
Abilene, Tex., and vicinity.	15	p. m.			1,175	Wind.	Do.
Fond du Lac and Milwaukee Counties, Wis.	15				18,000	Wind and hail.	Squalls most severe in northeastern Dodge County and in the vicinity of Milwaukee and Waukesha. In Dodge and Fond du Lac Counties a number of small buildings were demolished; considerable damage to telephone lines; in Waukesha an ice house was unroofed and a large barn demolished; in Milwaukee windows were broken and a shelter shed of a school collapsed; 5 second-grade pupils were caught under the shed, their injuries necessitating hospital treatment; woman injured when blown against a pole, another slightly injured by flying glass from a broken window; small damage from hail.
Glendale, Kans., and vicinity.	20	6 p. m.			500	Wind and dust.	Storm had tornadic characteristics; dust entirely obscured the sky; garage demolished; outbuildings blown down.
Caldwell, Idaho.	23	4-5 p. m.	880			Hail.	Windows broken; roofs damaged; chickens killed; some loss to apricots crop; path 3 miles long.
Miami and Opa Locka, Fla.	26	5 p. m.	1,320		50,000	Thunderstorm and hail.	Light to heavy hail over a small area northwest of the city in the vicinity of the municipal airport and Opa Locka; over a small area, 1,320 yards wide and $2\frac{1}{2}$ miles in length, the fall was exceptionally heavy and unprecedented in this section; depth of fall in the open 4 or 5 inches and 2 feet deep when banked against the Goodyear airship hangar, remaining on the ground 3 days; property damaged including at least 41 residences in Opa Locka; many windows broken including 1,000 in the southwest side of the airship hangar; many automobiles and an airplane at the Naval Reserve base damaged.
Tracy, Tex.	27	2 a. m.		2		Tornado.	11 persons injured; property damaged.
Holyoke, Colo.	27	6:30 p. m.	110		1,500	Heavy hail.	Considerable damage to vegetable gardens.
Bush, La.	27	p. m.	16			Wind and hail.	Heavy hailstones caused much damage to growing crops and fruit trees; several houses unroofed; amount of damage not estimated.
Hartun, Colo.	27					Heavy hail.	Loss to small grain.

1 Miles instead of yards.

SEVERE LOCAL STORMS, APRIL 1936—Continued

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Montgomery, Ill.	27				8,750	Wind	4 persons slightly injured; property damaged.
Cuero, Tex.	28	2 a. m.	13			do.	3 persons injured.
Fort Bend County, Tex.	28	do.			5,000	do.	5 persons injured.
Wharton County, Tex.	28	3 a. m.		2	2,000	do.	7 persons injured; storm had tornadic characteristics.
Winnie to Orangefield, Tex.	28	4:30-6 a. m.				do.	2 persons injured.
Webster and Nuckolls Counties, Nebr., southern portions.	28	5-8 a. m.			15,000	Hail	Damage to greenhouses, roofs, and windows.
York and Butler Counties, Nebr.	28	Noon	110		1,000	do.	Property damaged.
Edgerly, Hathaway, Jennings, Plaucheville, and Bayou Jacque, La.	28	a. m.			1,000	Squalls	Do.
Galveston, Tex.	28	do.			15,000	Thundersquall	In the school park a wood and steel grandstand, 240 feet in length, was blown to the ground and the steel supports badly bent; 6 small residences, supported on piling, were toppled over toward the north; a board fence 10 feet high surrounding the athletic field undamaged; large oak tree uprooted fell toward the north.
Lincoln, Nebr.	28	2-2:30 p. m.	333		5,000	Hail	Damage to windows and roofs.
Fort Wayne, Ind.	28					Heavy hail	Damage to greenhouses; automobile tops punctured; some loss in trucking.
Riverton, near, and Manson, Iowa.	28					Thundersquall and hail	Gardens and trees damaged by hail in Riverton; in Manson an empty circus tent blown over.
Braddyville, Iowa.	29					Hail and wind	Garage wrecked; windows broken; telephone lines down.
Rock and Nobles Counties, Minn.	29-30	Midnight			10,000	Thunderstorm	Number of barns unroofed; small buildings and silos wrecked; some livestock and much poultry perished; some damage by lightning.
Lyons and Richland, Iowa.	30	3:15 a. m.				Wind and hail	Sheds and several windmills blown down; several sheep killed; considerable damage reported.
Rice, Dakota, Ramsey, and Washington Counties, Minn.	30	7:30-9 a. m.				Thundersquall	Number of buildings moved from their foundations; roofs lifted; windows blown in; poles and wires down; boathouses wrecked; tree uprooted. Greatest damage in St. Paul and vicinity.
Columbia, Ind.	30	3-4 p. m.		0		Tornado	Property damaged; path short.
Clay, Dickinson, and Emmet Counties, Iowa.	30	3-5:30 p. m.	880-1,760	2	565,000	do.	More than 36 persons seriously injured; 62 farm and city homes totally destroyed and 79 badly damaged. Storm started as a windstorm in Sheldon, O'Brien County, at 2 p. m. At 3 p. m. the tornado made its first appearance in the extreme northwest portion of Waterford, Clay County, where 1 person was killed, 8 houses destroyed and a number of others badly damaged. Near Milford 2 funnel clouds were observed and a waterspout over west Lake Okobji also reported. Just after this the storm lifted, although heavy hail fell along the path to the northeast, with some stones measuring 8 inches in circumference. The next destruction occurred in Estherville, Emmet County, at 4:17 p. m. Because of the short lapse of time, it is believed that this was a new storm developing in advance of the original tornado, which followed along a short time later. The first storm passed over the northern part of the city, wrecked or badly damaged 12 homes, blew down power and telephone lines, and uprooted trees. The hospital was damaged, making care of the injured difficult. After this storm had struck Estherville a second one appeared and passed along the southern edge of the city, destroying hundreds of trees and tearing out 800 feet of railroad track. It is believed the second storm was the redevelopment of the Clay-Dickinson County tornado. After passing Estherville the paths of the 2 storms followed somewhat erratic but generally parallel courses across Center Township, joined for a short distance, then separated again to pass on opposite sides of Dolliver. The paths once more united and the storms passed into Minnesota, east of Tuttle Lake, about 5:30 p. m.; path of storm 60 miles long.
Martin, Faribault, and Blue Earth Counties, Minn.	30	5:30-6 p. m.	11-2	3	850,000	do.	Tornado originated near Sheldon, in northwestern Iowa, entered Minnesota in the vicinity Tenhassen, south-central Martin County. Storm moved northeastward into Faribault County and was last reported near Pleasant Prairie shortly after 6 p. m. Greatest destruction in Blue Earth, Faribault County; about 300 buildings demolished or badly damaged; silos and windmills wrecked; trees uprooted; poles and wires down; farm machinery damaged; 20 persons injured; much livestock and poultry perished; path of storm 25 miles long; damage in Martin County \$500,000, in Faribault and Blue Earth Counties \$350,000.
Union, Iowa.	30	6 p. m.		0		Tornado and hail	Barn, a number of small buildings, and trees destroyed; path 1 mile long.
Preston, Minn., and vicinity.	30	8 p. m.	110	0	25,000	Tornado	Number of outbuildings wrecked; many trees uprooted; path 880 yards long.
Frankville, Iowa.	30	9 p. m.			1,000	Wind and hail	Damage to buildings.
Spring Valley and Perry, Iowa.	30	do.	33-333	0	3,000	Tornado and hail	Trees broken; damage to electric and telephone wires; path 10 miles long.
Winona, Fillmore, and Houston Counties, Iowa.	30	p. m.			566,000	Rain and flood	Long stretches of railroad track, bridges, culverts, and dams washed out; highways damaged; creosote block pavements buckled; basements flooded; much cordwood washed away; some livestock and much poultry drowned; considerable damage to prospective crops; rock slides blocked highway traffic.
Varina, Iowa.	30				18,000	Electrical	Grain elevator destroyed by fire after being struck by lightning.
Morrison County, Minn.	30				10,000	Rain and flood	Bridge washed away, 2 others damaged; highways inundated.
Hanson, Lincoln, Minor, and McCook Counties, S. Dak.	30					Wind	Communication and power lines damaged and poles down; 2 farm buildings in Canton moved from their foundations.

¹ Miles instead of yards.